

Amendments to the Specification:

Please add the following new paragraph before the "Field of the Invention":

This application is a divisional of application Serial Number 10/241,200 filed September 11, 2002.

Delete the five paragraphs that begin at line 17 on page 2 as shown below:

~~A system that has a rectifier having an input for connection to an ac source and an output; and an inductance-capacitance filter connected to the output of the rectifier where the inductance comprises one or more non linear inductors.~~

~~A system that has a rectifier having an input for connection to an ac source and an output; one or more non linear inductors connected between the input of the rectifier and the ac source; and a capacitor connected across the output of the rectifier.~~

~~A method for making a non linear inductor from magnetic material. The method is providing an air gap in the magnetic material that has two or more widths; and adjusting either each of the two or more air gap widths or the width of the magnetic material adjacent to the air gap to produce a desired non linear inductance characteristic for the inductor.~~

~~A method for making a non linear inductor from laminations of magnetic material having different widths. The method is stacking the laminations to produce an air gap with two or more widths; and adjusting the width of the air gap and the number of the laminations to produce a desired non linear inductance characteristic for the inductor.~~

~~A method for making a non linear inductor from laminations of magnetic material having different widths. The method is stacking at least a predetermined number of the laminations having one of the different widths and a predetermined number of the laminations having another of the different widths to produce an air gap with two or more widths; and adjusting the~~

arrangement of the predetermined number of the laminations having one of the different widths and the predetermined number of the laminations having the another of the different widths in the stack to produce a desired non linear inductance characteristic for the inductor.